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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2017/0029098 A1**  
(43) **Pub. Date: Feb. 2, 2017**(54) **UNMANNED AERIAL VEHICLES FOR COLLABORATION**(71) Applicant: **Google Inc.**, Mountain View, CA (US)(72) Inventors: **Clark Sopper**, Redwood City, CA (US); **Adam Woodworth**, Santa Clara, CA (US); **Clayton Woodward Bavor, JR.**, Atherton, CA (US)(21) Appl. No.: **15/226,786**(22) Filed: **Aug. 2, 2016****Related U.S. Application Data**

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**B64C 39/02** (2006.01)(52) **U.S. Cl.**CPC ..... **B64C 27/08** (2013.01); **B64C 39/024** (2013.01); **H04N 7/142** (2013.01); **B64C 2201/027** (2013.01); **B64C 2201/127** (2013.01)(57) **ABSTRACT**

A mobile telepresence system may include a frame, a propulsion system operably coupled to the frame to propel the frame through a designated space, a screen movably coupled to the frame, and an image output device coupled to the frame. The frame may include a central body defining a longitudinal axis of the frame, a first arm at a first end portion of the central body, and a second arm at a second end portion of the central body, opposite the first end portion of the central body. The propulsion system may include rotors at opposite end portions of the first and second arms which propel the frame in response to an external command. The image output device may project an image onto the screen in response to an external command.

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